

The invention is not limited solely to the examples presented above, but it may vary within the scope of the appended claims.

What is claimed is:

1. An electronic device comprising:
at least two parts foldable in relation to each other between
a first position and a second position around a rotation
axis,
a flexible display device, which extends over at least said
two said foldable parts, covering them either entirely or
partly, wherein said flexible display device comprises:
a folded position, to which said flexible display device
settles in said first position, and in which said flexible
display device folds around a first direction, wherein
said first direction is parallel in relation to said rotation
axis; and
a curved position, to which said flexible display device
settles in said second position, and in which said flexible
display device curves around a second direction,
wherein said second direction is transverse in relation to
said rotation axis, wherein said curved position is an
open position of said flexible display device to which
said flexible display device tends to move and in which
said flexible display device tends to remain when said
electronic device is in said second position.
2. The electronic device according to claim 1, wherein the
display device in addition folds around a third direction,
which is parallel in relation to said rotation axis.
3. The electronic device according to claim 1, wherein said
curved position is a preferred position, to which said display
device tends to move by itself and to remain there.
4. The electronic device according to claim 3, wherein the
electronic device further comprises at least one organ, which
is arranged to provide a stimulus to said display device in
order for it to move to said preferred position.
5. The electronic device according to claim 1, wherein said
curved position is either convex or concave.
6. The electronic device according to claim 1, wherein the
electronic device further comprises at least one organ, which
is arranged to either push or pull said display device to said
curved position.
7. The electronic device according to claim 1, wherein the
electronic device further comprises at least one organ, which
is arranged to either pull or push said display device from said
curved position to a straightened position, wherein folding
said display device is possible.
8. The electronic device according to claim 1, wherein the
electronic device further comprises a hinge structure and
wherein said flexible display device extends over said hinge
structure.
9. The electronic device according to claim 1, wherein the
electronic device further comprises a hinge structure, to
which is placed at least one organ, which is arranged to
provide a stimulus to said display device in order for it to
move to said folded position and/or to said curved position.

10. The electronic device according to claim 1, wherein the
electronic device further comprises at least one electrically
operating actuator, which is arranged to either push or pull
said display device to said curved position.

11. The electronic device according to claim 1, wherein at
least one said foldable part is settled between said display
device when said display device is in said folded position.

12. The electronic device according to claim 1, wherein at
least one said foldable part is settled between two said fold-
able parts when said parts are in said first position.

13. The electronic device according to claim 1, wherein at
least two said foldable parts are settled sequentially when said
parts are in said second position.

14. The electronic device according to claim 1, wherein the
angle between two said foldable parts is less than 180° and
said flexible display is settled in said curved position over
them and angled in relation to them.

15. The electronic device according to claim 14, wherein
said electronic device is a wireless terminal or a mobile
phone.

16. A flexible display device for an electronic device com-
prising:

a folded closed position, to which said flexible display
device folds around a first direction, wherein said first
direction is parallel in relation to a rotational axis of the
electronic device when said electronic device is in a first
position, and

a curved open position, to which said flexible display
device curves around a second direction, wherein said
second direction is transverse in relation to said rotation
axis, wherein said curved open position is an open posi-
tion of said flexible display device to which said flexible
display device tends to move and in which said flexible
display device tends to remain when said electronic
device is in a second position.

17. The flexible display device according to claim 16,
wherein said curved position is a preferred position, to which
said display device tends to move by itself and to remain
there.

18. The flexible display device according to claim 17,
wherein said folded position is also a preferred position, to
which said display device tends to move by itself and to
remain there.

19. The flexible display device according to claim 16,
wherein said flexible display device is in said folded position
folded twofold.

20. The flexible display device according to claim 16,
wherein said flexible display device is arranged for an elec-
tronic device, which comprises at least two parts foldable in
relation to each other and around a rotation axis, wherein said
flexible display device is arranged to extend over at least two
foldable parts of said electronic device, covering them either
entirely or partly.

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